



POWERHEART M *UPS CATALOGUE*



PowerHeart M-HV

30~300kVA Modular UPS



Power range

30 ~300 kVA



Operation

3P/3P, online double conversion



Designed to CARE

Corporate Buildings, Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy. Small & Medium Data Centers, High-Density Smart Solutions, Light Industrial Applications, Smart Industry, Medium and Large Offices.



Characteristics

- Fully digital control, flexible and robust.
- 7&10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Maximum system capacity up to 900KVA, the best solution for mega data center.



Model		PHMM120/30-HV	PHMM180/30-HV	PHMM300/30-HV
Rate Power		120kVA	180kVA	300kVA
Main input	Input	3P5W (3P+N+PE)		
	Rate Voltage	480VAC(L-L)		
	Rate Freq.	50/60Hz		
	Input PF	>0.99		
	Current	THDi<3%(100% Linear load)		
	Voltage range	384 528VAC(L-L)full load 288 384 VAC (L-L) power derate from 100% to 50%		
	Freq. range	40-70Hz		
Battery	Rate voltage	±240VDC(default 40 PCS,30-50 PCS, selceted)		
	Charging	20%*Pout		
	Charging	±1%		
Bypass	Rate voltage	480VAC(L-L)		
	Voltage range	Range: -40%- +25% , Settable, default -20% +15%		
	Overload	<110%, long time operation 110%< load<125%, 10 mins 125%<load<150%,1 min		
Inverter	Rate voltage	480VAC(L-L)		
	Rate Freq.	50/60Hz		
	Output PF	1		
	Voltage accuracy	±1.0%		
	Load response	<5% (20% - 80% -20% step load)		
	Recovery time	< 20ms (0% - 100% -0% step load)		
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)		
	Overload	110%,1 hour 125%,10 mins 150%,1 min >150%,200ms		
	Frequency	0.1%		
	Synchronize	Settable ±0.5Hz-±5Hz default ±3Hz		
	Slew rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S		
	Crest factor	3:1		
	Phase Accuracy	120°±0.5°		
System	Efficiency	Normal Mode up to 95.5%;Battery Mode up to 95.5%		
	Display	LED + 10 inch touch LCD		
	Certification-	IEC62040-1, IEC60950-1		
	Certification-	IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)		
	IP degree	IP20		
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter		
	Option	SNMP card AS400 card Parallel kit SPD LBS		
	Environment	0-40 C° (operation) -25 C° ~70 C° (storage) 0-95% (Humidity, non-condensing)		
	Noise(dB)(l)	72dB @ 100% load, 69dB @ 45% load		
Dimensi on	Cabinet(W*D*H)	482*816*796	482*816*1018	600*1000*2000
	Module(W*D*H)	440*678*85(2u)		
Weight(k g)	Cabinet	113	132	260
	Module	23		
Power Module rated		30KW		